

CLAIMS

1. A device for measuring and delivering a desired volume of liquid drug, said device comprising:

a housing including:

a first chamber containing liquid drug;

a measurement chamber in liquid communication with the first chamber;

a measurement assembly for establishing a desired amount of liquid drug; and

a skin-penetrating member, in fluid communication with said measurement assembly, for delivering said desired amount of liquid drug to a living being.

2. The device of claim 1 wherein the measurement assembly comprises:

a piston, slidably received in the measurement chamber;

a member in radial transmission relation to the piston; and

a knob in radial transmission relation to the member whereby movement of the knob moves the piston along the measurement chamber which causes aspiration of the liquid drug into the measurement chamber.

3. The device of claim 2 wherein the piston comprises a piston head and a threaded rod.

4. The device of claim 3 wherein the piston head is made of rubber.

5. The device of claim 2 wherein the member has axial internal threads along a portion of its length.

6. The device of claim 2 wherein the measurement assembly further comprises:

a sleeve slidably received within the measurement chamber along a portion of the length of the chamber, and for slidably receiving the member, the sleeve having an annular recess;

and a spring mounted axially within the sleeve.

7. The device of claim 6 wherein the member further comprises an annular extension along a portion of the outer surface of the member to matingly engage the annular recess when said knob is pressed.

8. The device of claim 7 wherein one end of the sleeve abuts the measurement chamber wall and the other end of the sleeve abuts the knob.